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- 1** [Collaborative design for virtual team collaboration: a case study of jostling on the Web](#)



U. Patel, M. J. D'Cruz, C. Holtham

August 1997 **Proceedings of the conference on Designing interactive systems: processes, practices, methods, and techniques**

Publisher: ACM Press

Full text available:  pdf(1.07 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)



Keywords: World Wide Web, asynchronous distributed design, collaborative design, collaborative work, computer supported, internet, user involvement, virtual teams

- 2** [Multimedia and visualization: Dynamic structuring of web information for access visualization](#)



Jess Y. S. Mak, Hong Va Leong, Alvin T. S. Chan

March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available:  pdf(765.23 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



The Internet has led to the formation of a global information infrastructure. To explore a web site, a site map would be useful as a short cut for a user to locate for the target information in a structured and efficient manner, rather than drilling into the web site following hyperlinks, reading possibly irrelevant information. Useless information impacts a mobile web environment, where mobile clients are only connected with unreliable wireless channels of limited bandwidth. Structured web page ...

Keywords: DOM, VRML, XML, visualization, web document structure

- 3** [Session: Designing a web services project for maximum value: the 90 day challenge](#)



Katherine Radeka

November 2002 **OOPSLA 2002 Practitioners Reports**

Publisher: ACM Press

Full text available:  pdf(569.47 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)



The 90 Day Challenge team set out to deliver an end-to-end Web services solution to


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[1 Mixed reality hypermedia: The ambient wood journals: replaying the experience](#)

Mark J. Weal, Danius T. Michaelides, Mark K. Thompson, David C. DeRoure

 August 2003 **Proceedings of the fourteenth ACM conference on Hypertext and hypermedia**
Publisher: ACM Press

 Full text available: [pdf\(349.20 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Ambient Wood project aims to facilitate a learning experience using an adaptive infrastructure in an outdoor environment. This involves sensor technology, virtual world orchestration, and a wide range of devices ranging from hand-held computers to speakers hidden in trees. Whilst performing user trials of the Wood, the activities of children participating in the experiments were recorded in detailed log files. An aim of the project has been to replay these log files using adaptive hypermedia ...

Keywords: adaptive infrastructure, consolidation, record and replay, storytelling

[2 Information gathering in the World-Wide Web: the W3QL query language and the](#)

W3QS system

David Konopnicki, Oded Shmueli

 December 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 4

Publisher: ACM Press

 Full text available: [pdf\(1.36 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The World Wide Web (WWW) is a fast growing global information resource. It contains an enormous amount of information and provides access to a variety of services. Since there is no central control and very few standards of information organization or service offering, searching for information and services is a widely recognized problem. To some degree this problem is solved by "search services," also known as "indexers," such as Lycos, AltaVista, Yahoo, and others. ...

Keywords: CGI, FORMS, HTML, HTTP, PERL, World-Wide Web, query language, query system

3

[Uncovering expectations of web site visitors and building a site that makes](#)

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1 [Unifying strategies for Web augmentation](#)

 Niels Olof Bouvin

February 1999 **Proceedings of the tenth ACM Conference on Hypertext and hypermedia : returning to our diverse roots: returning to our diverse roots**

Publisher: ACM Press

Full text available:  pdf(1.40 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: Java, Web integration, collaboration on the Web, common reference architecture for open hypermedia systems, open hypermedia protocol, open hypermedia systems, unifying interfaces

2 [Document authoring, markup and manipulation 2: Towards active web clients](#)

 Vincent Quint, Iréne Vatton

November 2005 **Proceedings of the 2005 ACM symposium on Document engineering DocEng '05**

Publisher: ACM Press

Full text available:  pdf(382.45 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Recent developments of document technologies have strongly impacted the evolution of Web clients over the last fifteen years, but all Web clients have not taken the same advantage of this advance. In particular, mainstream tools have put the emphasis on accessing existing documents to the detriment of a more cooperative usage of the Web. However, in the early days, Web users were able to go beyond browsing and to get more actively involved. This paper presents the main features needed to make We ...

Keywords: XML documents, authoring, compound documents, style languages, web user agent

3 [Customization 1: Automation and customization of rendered web pages](#)

 Michael Bolin, Matthew Webber, Philip Rha, Tom Wilson, Robert C. Miller

October 2005 **Proceedings of the 18th annual ACM symposium on User interface software and technology UIST '05**

Publisher: ACM Press



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- 1 [Web engineering: A visual environment for dynamic web application composition](#) 
 Kimihito Ito, Yuzuru Tanaka
 August 2003 **Proceedings of the fourteenth ACM conference on Hypertext and hypermedia**
 Publisher: ACM Press

Full text available:  pdf(1.56 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

HTML-based interface technologies enable end-users to easily use various remote Web applications. However, it is difficult for end-users to compose new integrated tools of both existing Web applications and legacy local applications such as spreadsheets, chart tools and database. In this paper, the authors propose a new framework where end-users can wrap remote Web applications into visual components called *pads*, and functionally combine them together through drag & drop-paste operations. ...

Keywords: hypermedia, intelligentPad, personalization, web application linkage, web application wrapping

- 2 [Efficient web browsing on handheld devices using page and form summarization](#) 
 January 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 1
 Publisher: ACM Press

Full text available:  pdf(4.47 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We present a design and implementation for displaying and manipulating HTML pages on small handheld devices such as personal digital assistants (PDAs), or cellular phones. We introduce methods for summarizing parts of Web pages and HTML forms. Each Web page is broken into text units that can each be hidden, partially displayed, made fully visible, or summarized. A variety of methods are introduced that summarize the text units. In addition, HTML forms are also summarized by displaying just the t ...

Keywords: PDA, Personal digital assistant, WAP, WML, forms, handheld computers, mobile computing, summarization, ubiquitous computing, wireless computing

- 3 [LinkSelector: A Web mining approach to hyperlink selection for Web portals](#) 
 Xiao Fang, Olivia R. Liu Sheng
 May 2004

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- 1 [Web mining, tools, and performance evaluation: The catacomb project: building a user-centered portal the conversational way](#)

 Mark Ginsburg

November 2002 **Proceedings of the 4th international workshop on Web information and data management**

Publisher: ACM Press

Full text available:  [pdf\(239.93 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Enterprise computing is marked by large-scale information systems, such as databases, document management, and groupware that present significant obstacles to consistent cross-application use: dissimilar user interfaces, incompatible security schemes, and the undesirable property of serving only parts of the user community (islands of use) and accessing only some of the enterprise knowledge assets (islands of information). World Wide Web (WWW) architectures do not solve this problem directly. WWW ...

Keywords: ALICE, conversational portal, portal design, query routing

- 2 [Semantic search: An enhanced model for searching in semantic portals](#)

 Lei Zhang, Yong Yu, Jian Zhou, ChenXi Lin, Yin Yang

May 2005 **Proceedings of the 14th international conference on World Wide Web**

Publisher: ACM Press

Full text available:  [pdf\(230.36 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Semantic Portal is the next generation of web portals that are powered by Semantic Web technologies for improved information sharing and exchange for a community of users. Current methods of searching in Semantic Portals are limited to keyword-based search using information retrieval (IR) techniques, ontology-based formal query and reasoning, or a simple combination of the two. In this paper, we propose an enhanced model that tightly integrates IR with formal query and reasoning to fully utilize ...

Keywords: fuzzy description logic, fuzzy reasoning, information retrieval, semantic portal, semantic search

- 3 [LinkSelector: A Web mining approach to hyperlink selection for Web portals](#)

 Xiao Fang, Olivia R. Liu Sheng

May 2004 **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 2

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- 1** [Web-based tools, systems and environments: Software configuration, distribution, and deployment of web-services](#) 

 Rainer Anzöck, Schahram Dustdar, Harald Gall
July 2002 **Proceedings of the 14th international conference on Software engineering and knowledge engineering SEKE '02**

Publisher: ACM Press

Full text available:  [pdf\(519.92 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Web-Services can be seen as a newly emerging distributed computing model for the Web. They cater for the need to establish business-to-business (B2B) interactions on the Web. Web-Services consider a loosely coupled component model encapsulating business logic and interact with other components using XML protocols. Based on one case study, this paper discusses architectural issues and requirements for software configuration, distribution, and deployment of web-services.

Keywords: software architecture, software distribution environments, web-services

- 2** [Web-based educational applications: Online curriculum on the semantic Web: the CSD-UoC portal for peer-to-peer e-learning](#) 

 Dimitris Kotzinos, Sofia Pediaditaki, Apostolos Apostolidis, Nikolaos Athanasis, Vassilis Christophides
May 2005 **Proceedings of the 14th international conference on World Wide Web**

Publisher: ACM Press

Full text available:  [pdf\(1.46 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Online Curriculum Portals aim to support networks of instructors and learners by providing a space of convergence for enhancing peer-to-peer learning interactions among individuals of an educational institution. To this end, effective, open and scalable e-learning systems are required to acquire, store, and share knowledge under the form of learning objects (LO). In this paper, we are interested in exploiting the semantic relationships that characterize these LOs (e.g., prerequisite, part-of or ...)

Keywords: IEEE-LOM, e-learning portals, jetspeed portlets, semantic Web

- 3** [On integrating catalogs](#) 

Rakesh Agrawal, Ramakrishnan Srikant

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------|------------------|---------|------------------|
| L7 | 7 | ("5809250" "5905866" "6122647" "6199079" "6230168" "6237030" "6442589").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/28 13:01 |
| L6 | 15 | ("5757900" "5881230" "5918010" "5918013" "5959630" "6021416" "6031989" "6101510" "6144990" "6178426" "6189137" "6223178" "6339438" "6360215" "6567857").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/28 12:59 |
| L5 | 49 | (consolidat\$4 integrat\$4 combin\$4 join\$3 merg\$3 aggregat\$4) SAME web SAME ((page\$1 NEAR4 (part\$1 portion\$1 fragment\$1 piece\$1 chunk\$1 segment\$1 element\$1)) NEAR4 (extract\$4 select\$4 extricat\$4 gather\$3 reaps\$3)) | US-PGPUB; USPAT | OR | OFF | 2005/12/28 12:56 |
| L4 | 40 | (consolidat\$4 integrat\$4 combin\$4 join\$3 merg\$3) SAME web SAME ((page\$1 NEAR4 (part\$1 portion\$1 fragment\$1 piece\$1 chunk\$1 segment\$1 element\$1)) NEAR4 (extract\$4 select\$4 extricat\$4 gather\$3 reaps\$3)) | US-PGPUB; USPAT | OR | OFF | 2005/12/28 12:55 |
| L1 | 616 | (consolidat\$4 integrat\$4 combin\$4 join\$3 merg\$3) SAME web SAME ((page\$1 NEAR4 (part\$1 portion\$1 fragment\$1 piece\$1 chunk\$1 segment\$1 element\$1)) | US-PGPUB; USPAT | OR | OFF | 2005/12/28 12:46 |
| L3 | 64 | web SAME ((page\$1 NEAR4 (part\$1 portion\$1 fragment\$1 piece\$1 chunk\$1 segment\$1 element\$1)) NEAR4 ((consolidat\$4 integrat\$4 combin\$4 join\$3 merg\$3))) AND xml | US-PGPUB; USPAT | OR | OFF | 2005/12/28 12:43 |
| L2 | 140 | web SAME ((page\$1 NEAR4 (part\$1 portion\$1 fragment\$1 piece\$1 chunk\$1 segment\$1 element\$1)) NEAR4 (consolidat\$4 integrat\$4 combin\$4 join\$3 merg\$3)) | US-PGPUB; USPAT | OR | OFF | 2005/12/28 12:43 |
| S700 | 1131 | (715/513).CCLS. | USPAT; USOCR | OR | OFF | 2005/12/28 08:04 |
| S696 | 721 | (715/501.1).CCLS. | USPAT; USOCR | OR | OFF | 2005/12/28 08:04 |

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| S69 2 | 348 | conver\$8 NEAR3 xml | USPAT | OR | OFF | 2005/12/28 08:04 |
| S69 1 | 223 | (715/523).CCLS. | USPAT; USOCR | OR | OFF | 2005/12/28 08:04 |
| S68 7 | 128 | ((clip\$4 select\$3 obtain\$3) NEAR5 ((part\$1 portion\$1 section\$1) NEAR2 (page\$1 web\$1page\$1 web\$1site\$1 (web ADJ page\$1) (web ADJ site\$1)))) AND ((combin\$4 aggregat\$4 compound\$3 incorporat\$4 merg\$4) NEAR5 (part\$1 portion\$1 clipping\$1)) | USPAT | OR | OFF | 2005/12/28 08:04 |
| S68 6 | 143 | (((partial portion\$1) NEAR3 (\$4page\$1 document\$1)) SAME internet) AND (((aggregat\$4 collect\$4 combin\$4) SAME (\$4page\$1 document\$1)) SAME internet) | USPAT | OR | OFF | 2005/12/28 08:04 |
| S68 2 | 6 | conver\$8 SAME (xml NEAR3 sgml) | USPAT | OR | OFF | 2005/12/28 08:04 |
| S68 1 | 6 | ((combin\$7 aggregat\$7 assembl\$4) NEAR5 ((part\$1 portion\$1) NEAR2 (document\$1))) AND xml | USPAT | OR | OFF | 2005/12/28 08:04 |
| S68 0 | 4 | ("5991782").URPN. | USPAT | OR | OFF | 2005/12/28 08:04 |
| S67 9 | 3 | (combin\$4 aggregat\$4) NEAR4 (\$4page\$1 ADJ2 parts) | USPAT | OR | OFF | 2005/12/28 08:04 |
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| S67 6 | 14 | ((partial portion\$1 part\$1) NEAR3 (\$4page\$1 document\$1)) SAME internet SAME commerce | USPAT | OR | OFF | 2005/12/28 08:03 |
| S67 3 | 10 | automatic NEAR5 web NEAR5 page NEAR5 generation | USPAT | OR | OFF | 2005/12/28 08:03 |
| S67 2 | 42 | (shopping ADJ cart) AND (\$2commerce SAME (web\$1site web\$1page)) | USPAT | OR | OFF | 2005/12/28 08:03 |

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| S67 0 | 74 | shopping NEAR10 (web\$1site web\$1page) | USPAT | OR | OFF | 2005/12/28 08:03 |
| S66 5 | 4 | (web\$1page web\$1site) SAME divide | USPAT | OR | OFF | 2005/12/28 08:03 |
| S66 4 | 65 | (web\$1page web\$1site) SAME segment | USPAT | OR | OFF | 2005/12/28 08:03 |
| S66 3 | 13 | (web\$1page web\$1site) SAME (select NEAR10 portion) | USPAT | OR | OFF | 2005/12/28 08:03 |
| S66 2 | 48 | (web\$1page web\$1site) SAME cut | USPAT | OR | OFF | 2005/12/28 08:03 |
| S66 0 | 72 | (web\$1page web\$1site) SAME clip\$4 | USPAT | OR | OFF | 2005/12/28 08:03 |